

## 2002 Wildlife Monitoring

Scientists are hopeful that the project will improve overall species diversity, improve the reproductive success of quail and other grassland songbirds, provide habitat resources to sustain larger populations of desirable species, and benefit many secondary species on farms where project sites are established. In order to accurately verify these theories, a well-designed avian monitoring component was developed. Components selected for monitoring on the project sites includes winter bird utilization, breeding season bird utilization, reproductive success, quail call counts, and vegetative surveys. The information collected will be used to document the overall productivity of the habitat created in this project.

Only project areas established during the first year of the project were selected for wildlife monitoring components. Three full years of data must be collected in order to accurately document wildlife responses. Data collected between March 1 and August 1, 2002, will be used as a baseline to compare data collected on the same sites in 2003 and 2004. Species and numbers found on project sites in 2002 are represented in the following table.

SPECIES	NUMBER
Arcadian Flycatcher.....	1
American Pipit .....	17
American Robin .....	16
Baltimore Oriole .....	3
Barn Owl.....	1
Barn Swallow .....	38
Barred Owl .....	2
Brown-headed Cowbird .....	2067
Brown Thrasher .....	8
Blue Grosbeak .....	2
Blue Jay .....	399
Blue-gray Gnatcatcher .....	1
Carolina Chickadee .....	91
Carolina Wren.....	198
Chimney Swift .....	15
Cliff Swallow.....	1
Common Grackle .....	344
Dickcissel.....	243
Double-crested Cormorant .....	365
Downy Wood Pecker .....	55
Eastern Blue Bird .....	12
Eastern Meadowlark .....	18
Eastern Phoebe .....	1
Eastern Kingbird .....	1
Eastern Towhee .....	52
Eastern Wood Peewee .....	4
European Starling.....	16
Field Sparrow .....	9
Fox Sparrow .....	2
Gadwall.....	3
Golden-crowned Kinglet .....	3
Great Blue Heron .....	13
Great Crested Flycatcher .....	5
Great Horned Owl .....	2
Great Egret.....	21
Green Heron .....	1
Horned Lark .....	81
Indigo Bunting.....	174
Killdeer .....	125
Loggerheaded Shrike .....	12
Mallard .....	71
Merlin .....	1
Mourning Dove.....	289
Northern Bobwhite Quail .....	37
Northern Cardinal.....	647
Northern Mockingbird .....	114
Orchard Oriole.....	17
Painted Bunting .....	8
Pine Warbler .....	3
Porthonotary Warbler .....	7
Red-bellied Woodpecker .....	127
Red-headed Woodpecker.....	3
Red-tail Hawk .....	4
Ruby-crowned Kinglet .....	5
Ruby-throated Hummingbird .....	1
Red-winged Blackbird .....	1484
Sage Sparrow.....	5
Sharp-shinned Hawk .....	1
Song Sparrow .....	59
Summer Tanager .....	7
Swamp Sparrow .....	26
Tufted Titmouse .....	30
Vesper Sparrow .....	1
Winter Wren .....	1
White-throated Sparrow.....	28
Wood Duck .....	11
Wood Thrush .....	5
Yellow-breasted Chat .....	2
Yellow-billed Cuckoo .....	118
Yellow-rumped Warbler .....	11
Unidentified Sparrows.....	108
Total Species = .....	70
Total Birds = .....	7653